

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121121\
 Data File : VN070019.D
 Acq On : 11 Dec 2021 19:53
 Operator : JC/MD
 Sample : M4959-07ME
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 16:26:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)

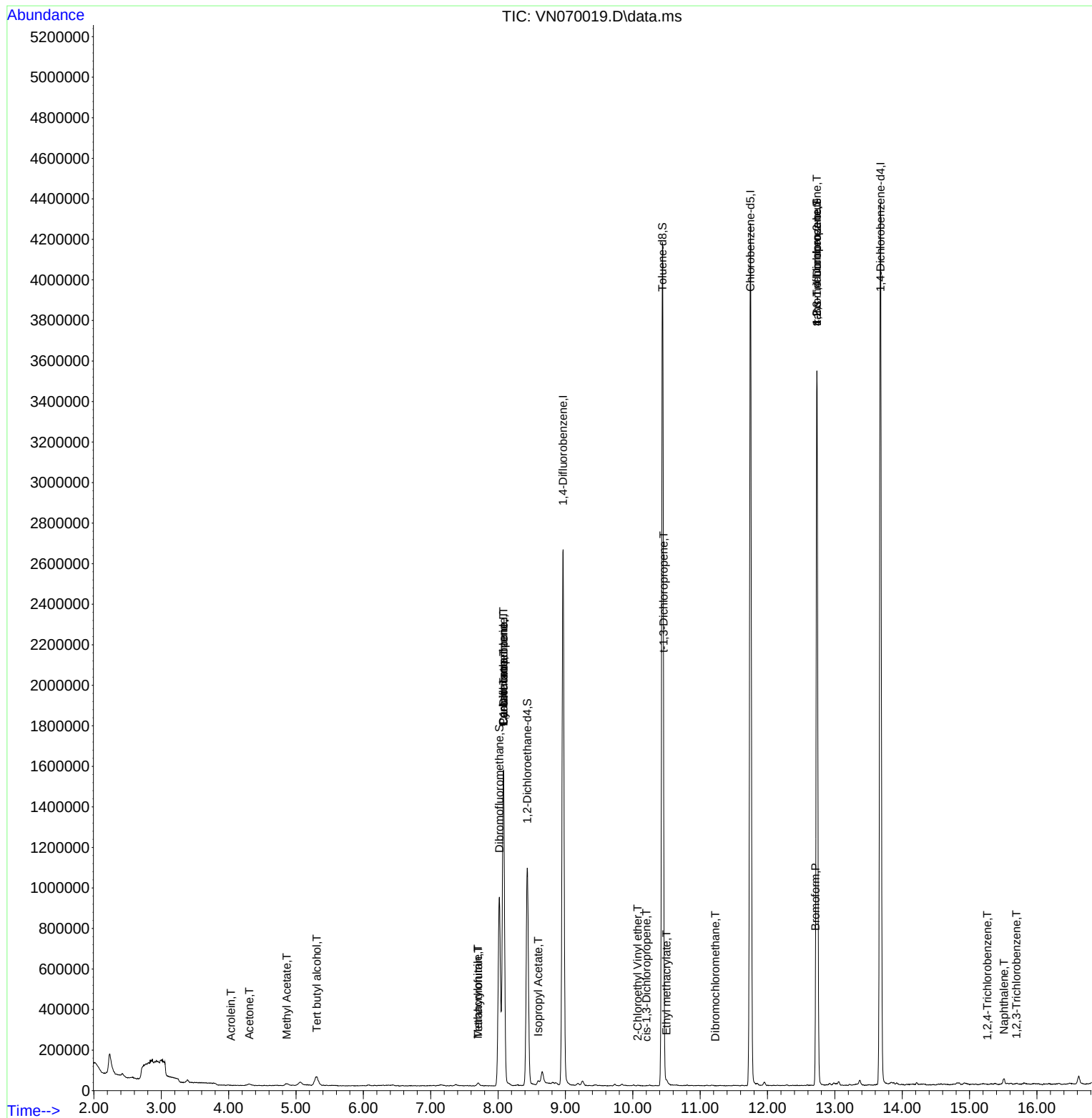
Internal Standards							
1) Pentafluorobenzene		8.080	168	1171423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.965	114	2220306	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.746	117	2320496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.677	152	1131838	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.434	65	921114	50.927	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.860%	
35) Dibromofluoromethane		8.018	113	671834	48.307	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.620%	
50) Toluene-d8		10.440	98	2815515	50.418	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.840%	
62) 4-Bromofluorobenzene		12.733	95	1187955	58.720	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	117.440%	
Target Compounds							
						Qvalue	
11) Tert butyl alcohol		5.307	59	49425	14.457	ug/l #	73
13) Acrolein		4.036	56	762	0.262	ug/l #	51
16) Acetone		4.309	43	10061	0.925	ug/l	100
18) Methyl Acetate		4.862	43	24002	0.731	ug/l #	55
29) Tetrahydrofuran		7.702	42	12702	1.415	ug/l #	81
31) Cyclohexane		8.077	56	30897	1.228	ug/l #	31
36) 1,1-Dichloropropene		8.077	75	101355	4.795	ug/l #	48
38) Carbon Tetrachloride		8.080	117	120032	5.791	ug/l #	16
41) Methacrylonitrile		7.699	41	7702	0.522	ug/l #	43
43) Isopropyl Acetate		8.598	43	17216	0.370	ug/l #	55
53) t-1,3-Dichloropropene		10.456	75	433	2.810	ug/l #	1
54) cis-1,3-Dichloropropene		10.202	75	26	2.000	ug/l #	32
56) Ethyl methacrylate		10.499	69	218	2.286	ug/l #	1
58) 2-Chloroethyl Vinyl ether		10.073	63	69	18.397	ug/l #	45
60) Dibromochloromethane		11.226	129	25	2.378	ug/l #	11
71) Bromoform		12.712	173	282	2.750	ug/l #	29
76) 1,2,3-Trichloropropane		12.733	75	665105	20.491	ug/l #	1
81) trans-1,4-Dichloro-2-b...		12.733	75	665105	65.678	ug/l #	5
93) 1,2,4-Trichlorobenzene		15.265	180	361	2.896	ug/l #	11
95) Naphthalene		15.509	128	26998	4.434	ug/l #	96
96) 1,2,3-Trichlorobenzene		15.697	180	531	2.463	ug/l	79

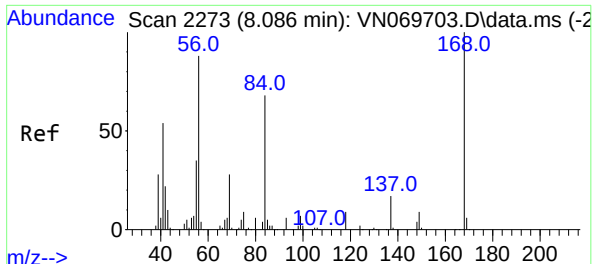
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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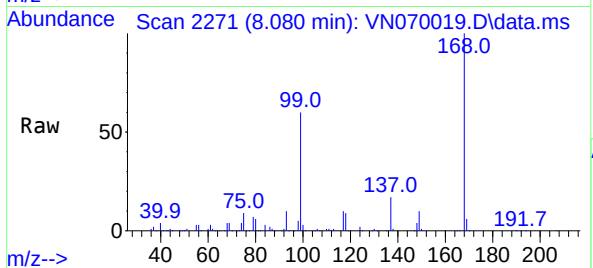
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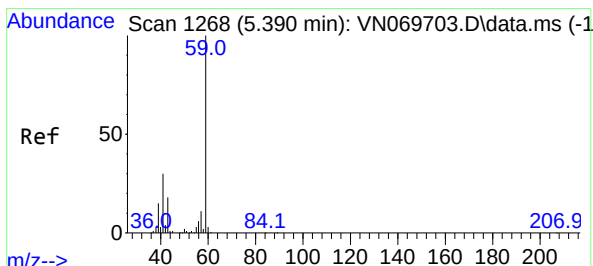
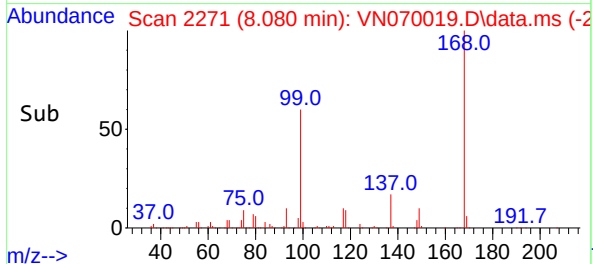
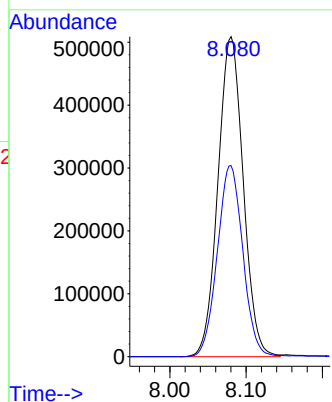


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

Instrument :
MSVOA_N
ClientSampleId :

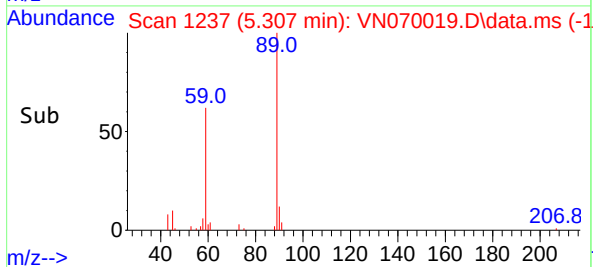
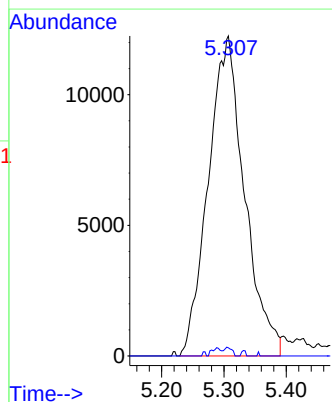
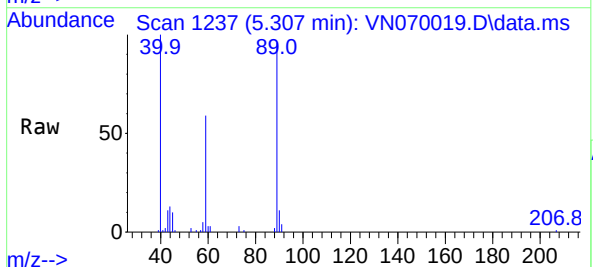


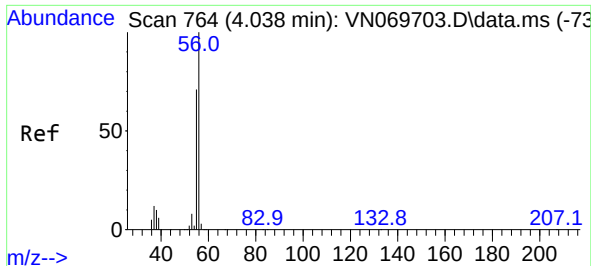
Tgt Ion:168 Resp: 1171423
Ion Ratio Lower Upper
168 100
99 59.7 41.3 61.9



#11
Tert butyl alcohol
Concen: 14.457 ug/l
RT: 5.307 min Scan# 1237
Delta R.T. -0.083 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

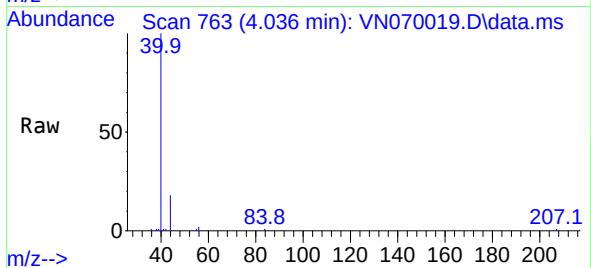
Tgt Ion: 59 Resp: 49425
Ion Ratio Lower Upper
59 100
57 0.6 8.7 13.1#



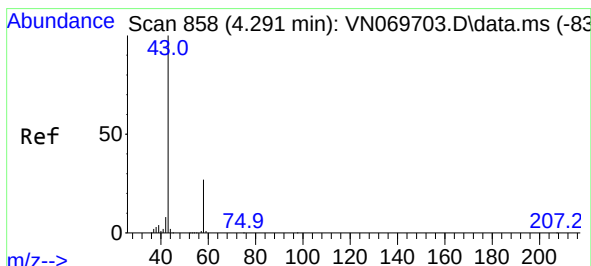
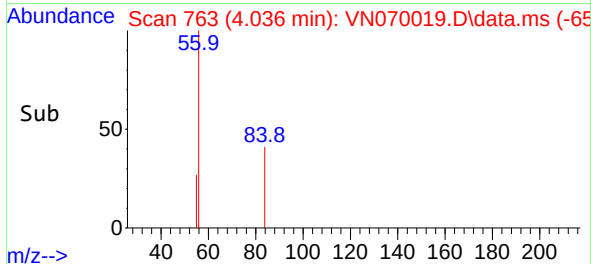
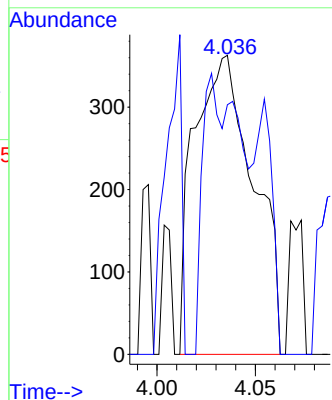


#13
Acrolein
Concen: 0.262 ug/l
RT: 4.036 min Scan# 762
Delta R.T. -0.003 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

Instrument :
MSVOA_N
ClientSampleId :

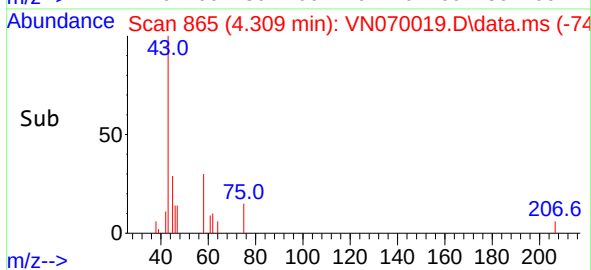
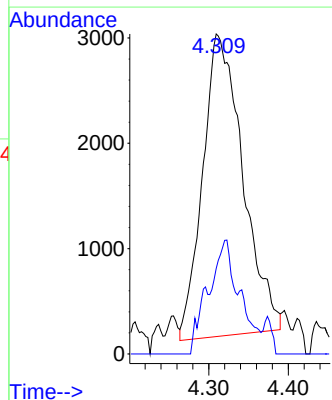
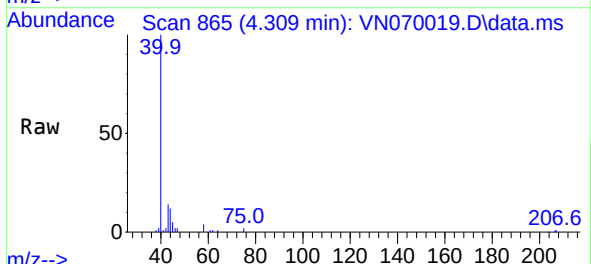


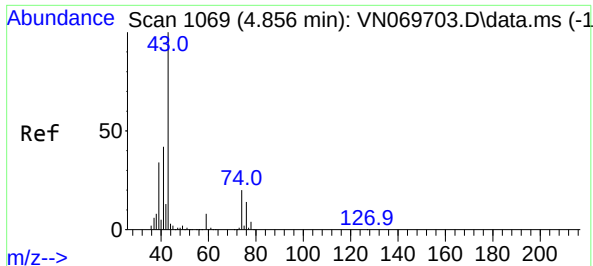
Tgt Ion: 56 Resp: 762
Ion Ratio Lower Upper
56 100
55 30.4 56.6 85.0#



#16
Acetone
Concen: 0.925 ug/l
RT: 4.309 min Scan# 865
Delta R.T. 0.019 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

Tgt Ion: 43 Resp: 10061
Ion Ratio Lower Upper
43 100
58 28.9 23.1 34.7





#18

Methyl Acetate

Concen: 0.731 ug/l

RT: 4.862 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN070019.D

Acq: 11 Dec 2021 19:53

Instrument :

MSVOA_N

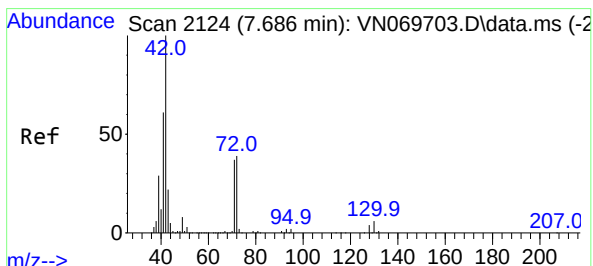
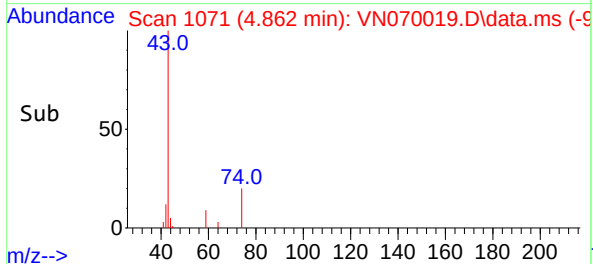
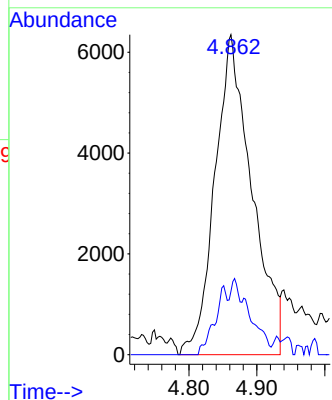
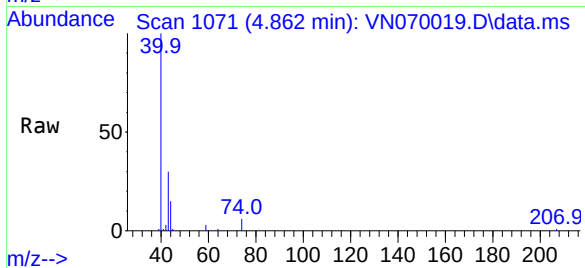
ClientSampleId :

Tgt Ion: 43 Resp: 24002

Ion Ratio Lower Upper

43 100

74 1.8 19.4 29.2#



#29

Tetrahydrofuran

Concen: 1.415 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.016 min

Lab File: VN070019.D

Acq: 11 Dec 2021 19:53

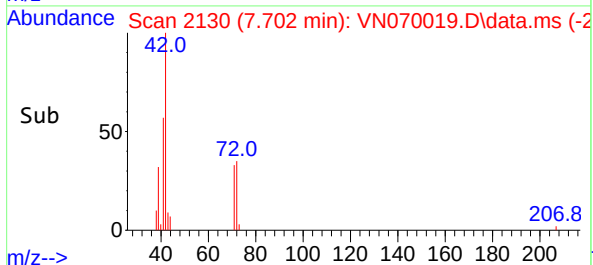
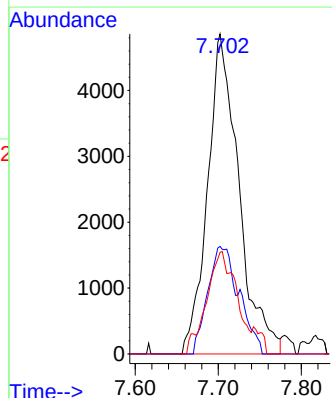
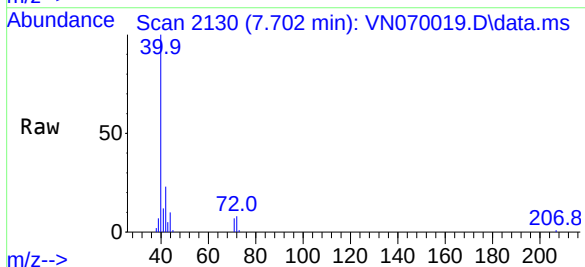
Tgt Ion: 42 Resp: 12702

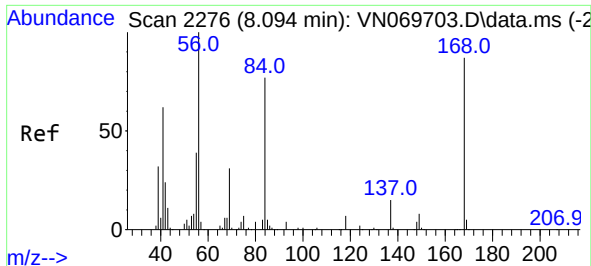
Ion Ratio Lower Upper

42 100

72 33.7 36.3 54.5#

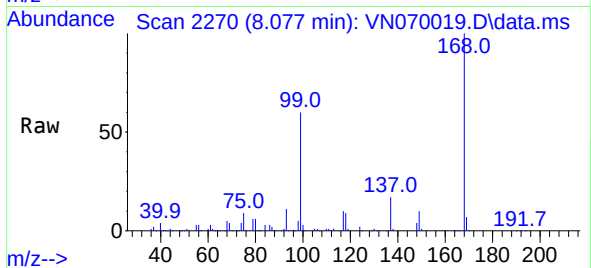
71 30.6 34.7 52.1#



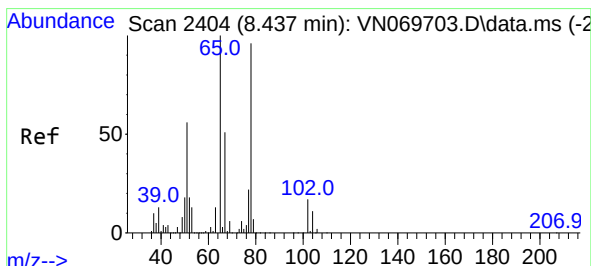
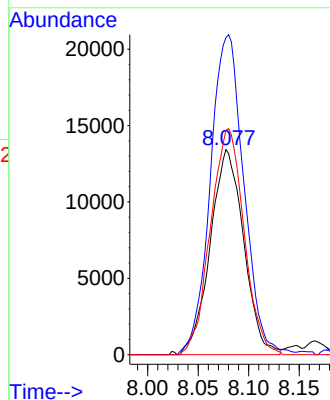
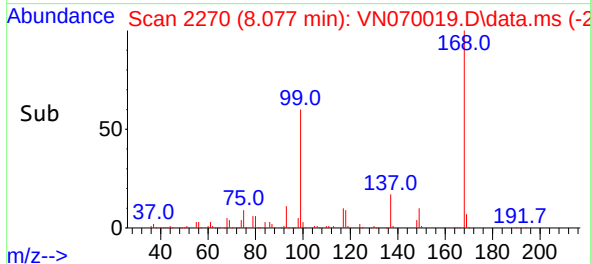


#31
Cyclohexane
Concen: 1.228 ug/l
RT: 8.077 min Scan# 21
Delta R.T. -0.016 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

Instrument :
MSVOA_N
ClientSampleId :

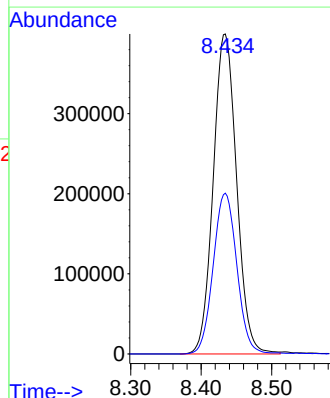
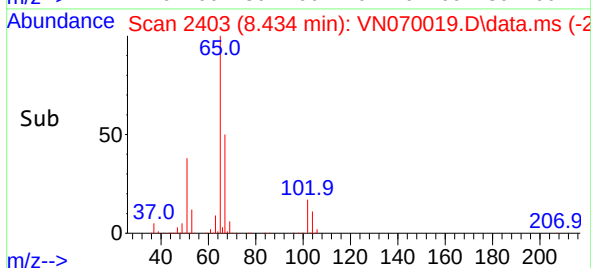
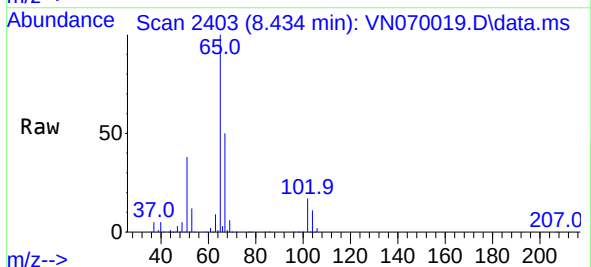


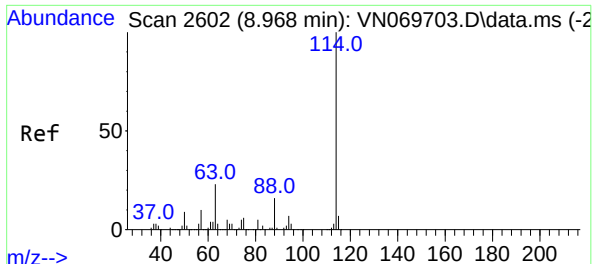
Tgt Ion: 56 Resp: 30897
Ion Ratio Lower Upper
56 100
69 152.9 27.1 40.7#
84 108.1 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 50.927 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.003 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

Tgt Ion: 65 Resp: 921114
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2

Delta R.T. -0.003 min

Lab File: VN070019.D

Acq: 11 Dec 2021 19:53

Instrument :

MSVOA_N

ClientSampleId :

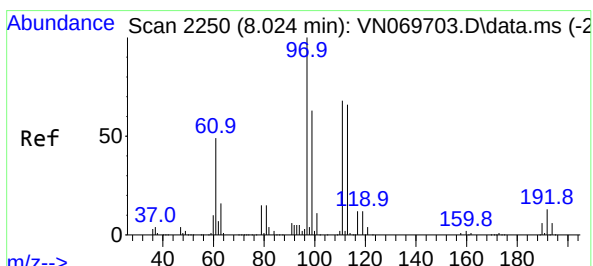
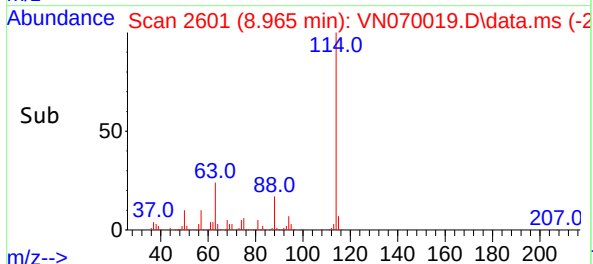
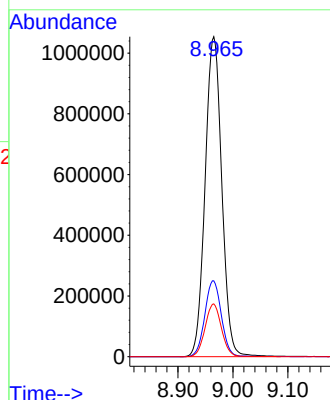
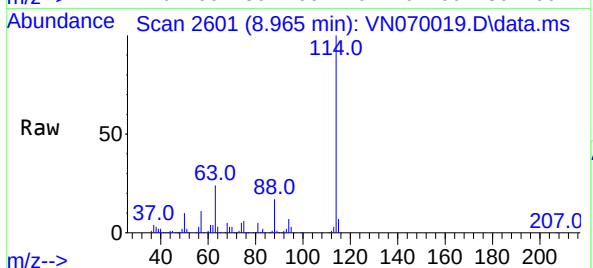
Tgt Ion:114 Resp: 2220306

Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

88 16.5 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.307 ug/l

RT: 8.018 min Scan# 2248

Delta R.T. -0.005 min

Lab File: VN070019.D

Acq: 11 Dec 2021 19:53

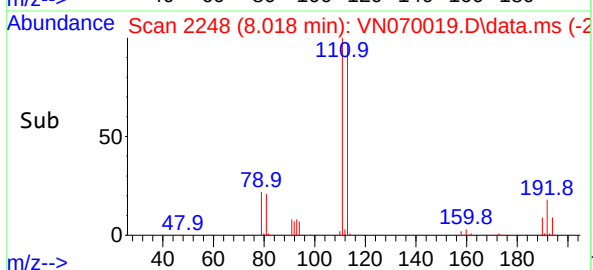
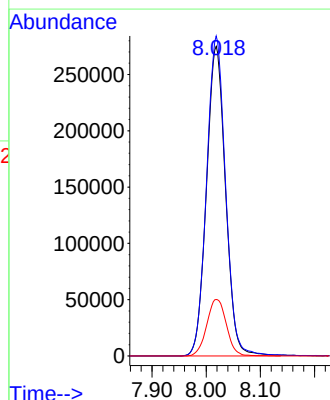
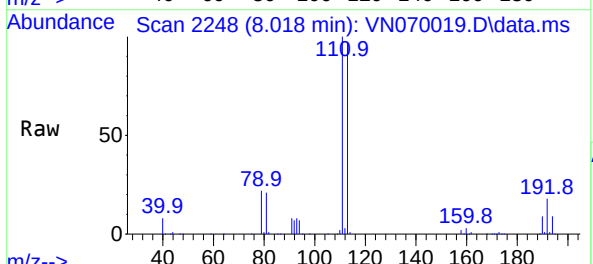
Tgt Ion:113 Resp: 671834

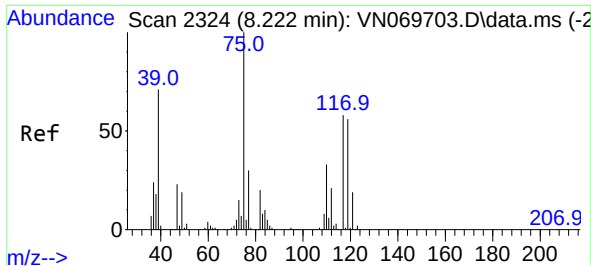
Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

192 18.9 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.795 ug/l

RT: 8.077 min Scan# 21

Delta R.T. -0.145 min

Lab File: VN070019.D

Acq: 11 Dec 2021 19:53

Instrument :

MSVOA_N

ClientSampleId :

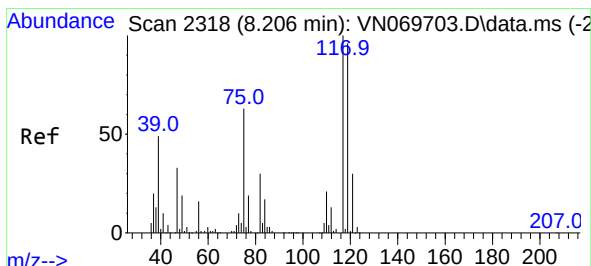
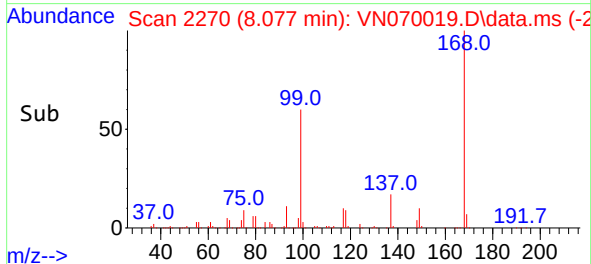
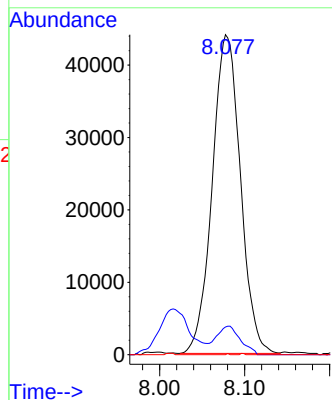
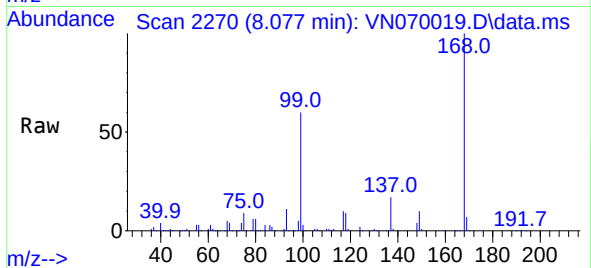
Tgt Ion: 75 Resp: 101355

Ion Ratio Lower Upper

75 100

110 7.5 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.791 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.126 min

Lab File: VN070019.D

Acq: 11 Dec 2021 19:53

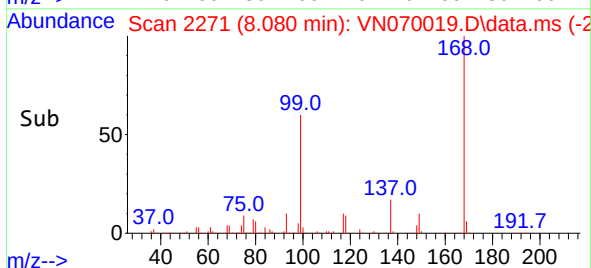
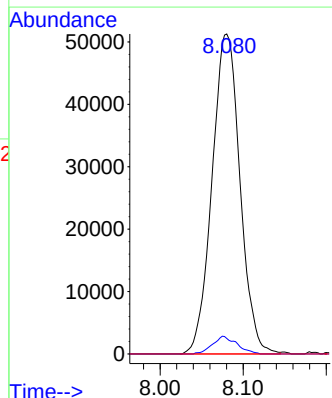
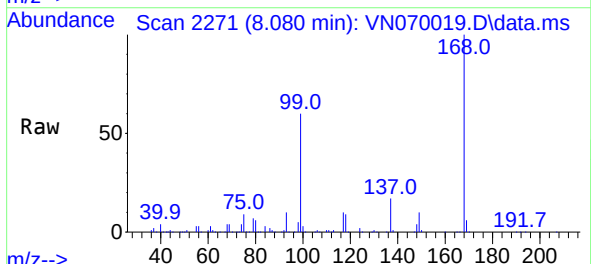
Tgt Ion: 117 Resp: 120032

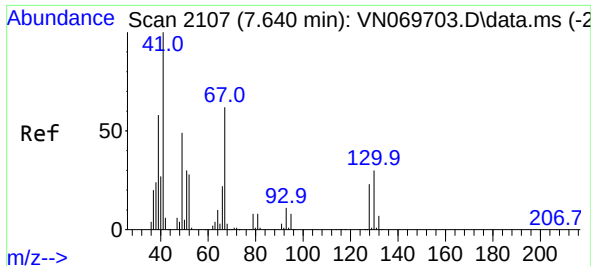
Ion Ratio Lower Upper

117 100

119 4.8 76.1 114.1#

121 0.0 24.2 36.2#

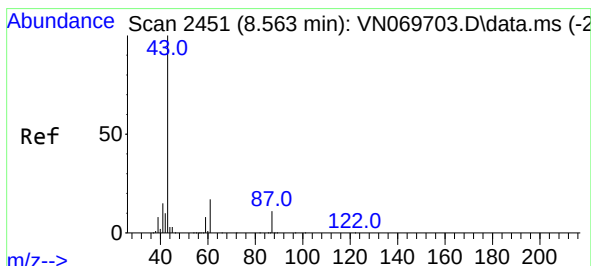
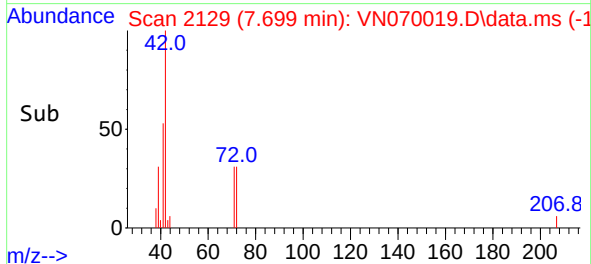
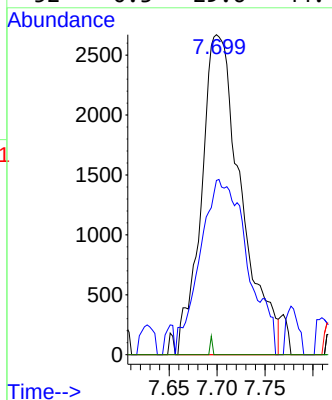
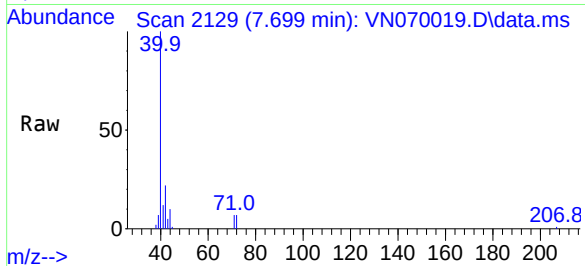




#41
Methacrylonitrile
Concen: 0.522 ug/l
RT: 7.699 min Scan# 2107
Delta R.T. 0.059 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

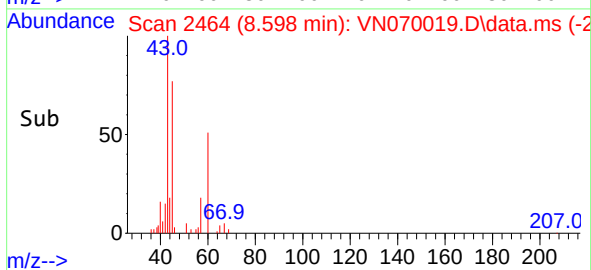
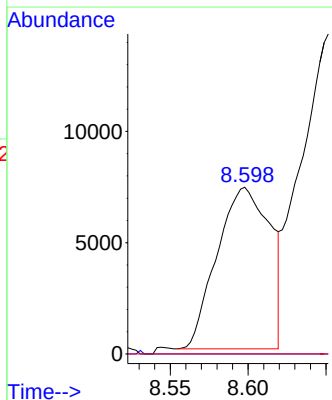
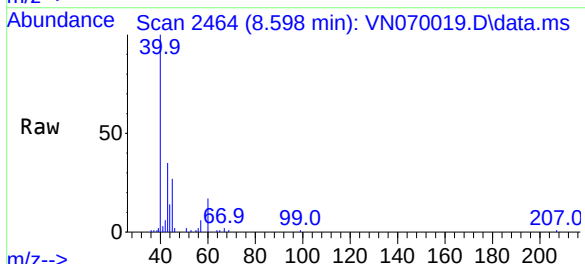
Instrument :
MSVOA_N
ClientSampleId :

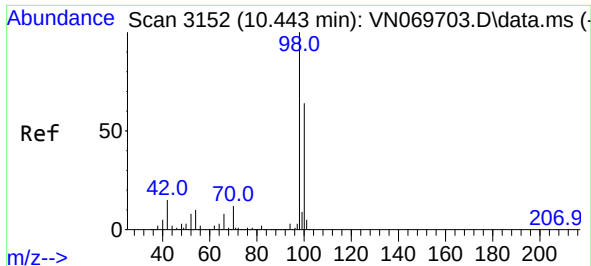
Tgt Ion:	41	Resp:	7702
Ion	Ratio	Lower	Upper
41	100		
39	61.5	48.1	72.1
67	0.0	68.3	102.5#
52	0.3	29.6	44.4#



#43
Isopropyl Acetate
Concen: 0.370 ug/l
RT: 8.598 min Scan# 2464
Delta R.T. 0.035 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

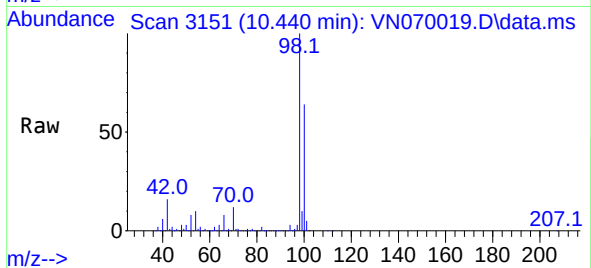
Tgt Ion:	43	Resp:	17216
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.4	30.6#
87	0.0	11.2	16.8#



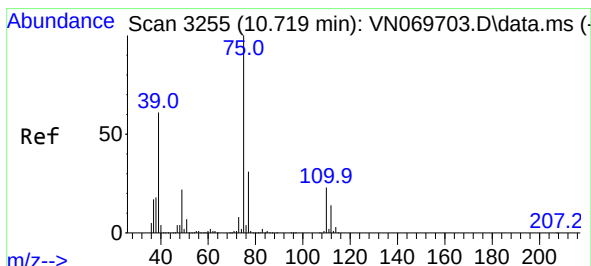
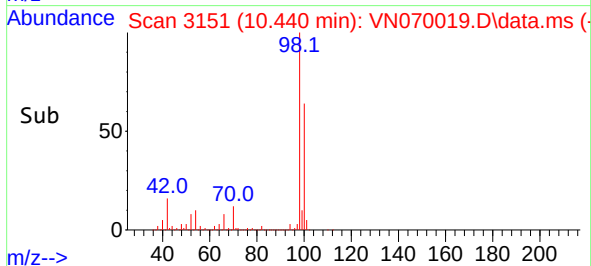
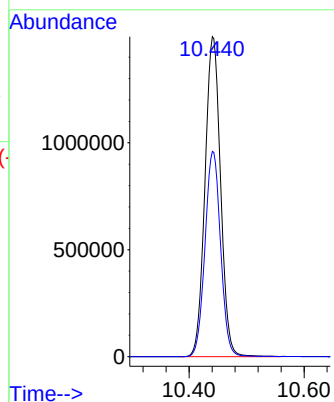


#50
Toluene-d8
Concen: 50.418 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

Instrument :
MSVOA_N
ClientSampleId :

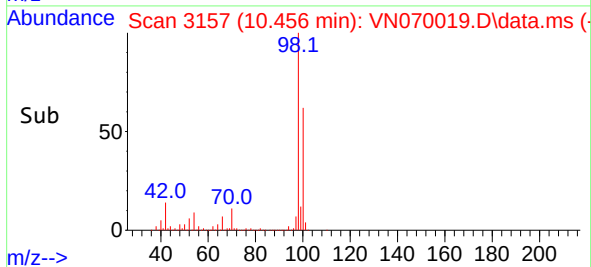
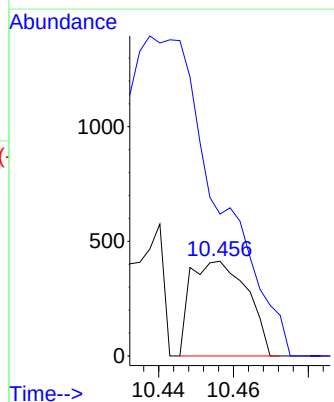
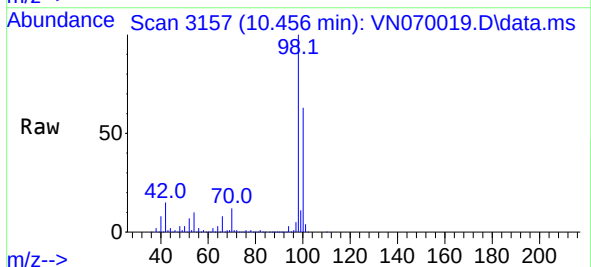


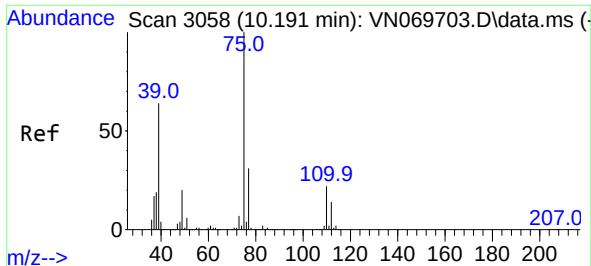
Tgt Ion: 98 Resp: 2815515
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.810 ug/l
RT: 10.456 min Scan# 3157
Delta R.T. -0.263 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

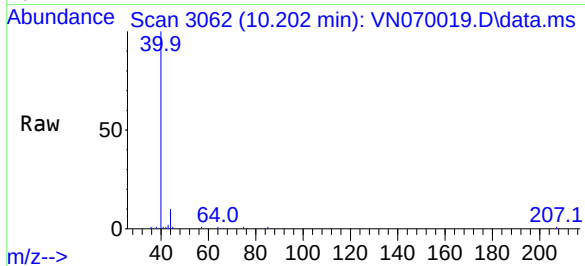
Tgt Ion: 75 Resp: 433
Ion Ratio Lower Upper
75 100
77 107.0 25.6 38.4#



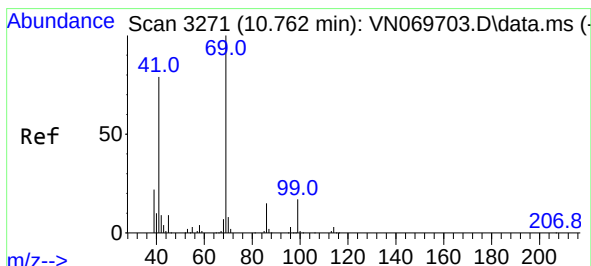
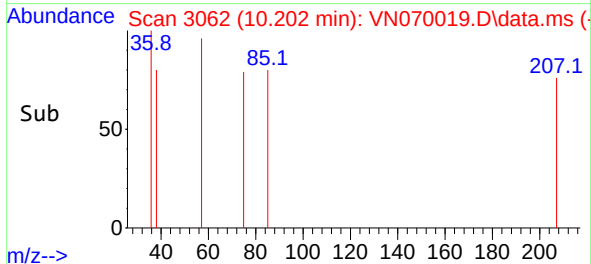
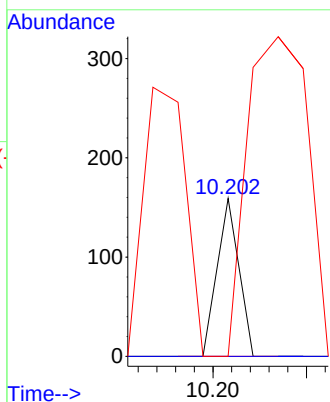


#54
cis-1,3-Dichloropropene
Concen: 2.000 ug/l
RT: 10.202 min Scan# 3058
Delta R.T. 0.011 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

Instrument :
MSVOA_N
ClientSampleId :

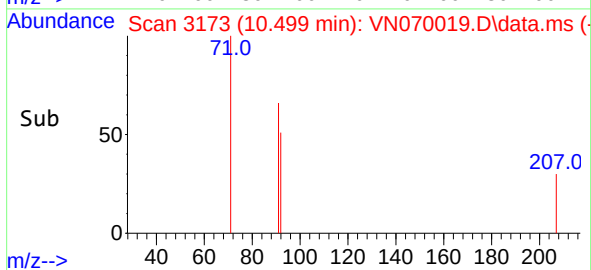
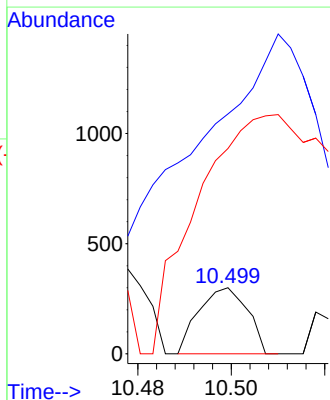
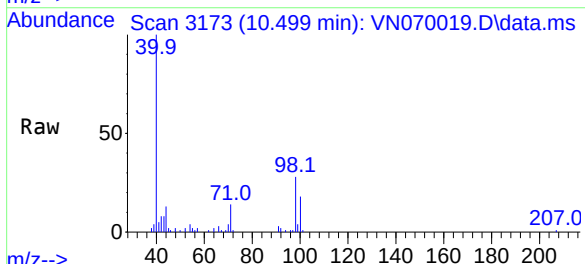


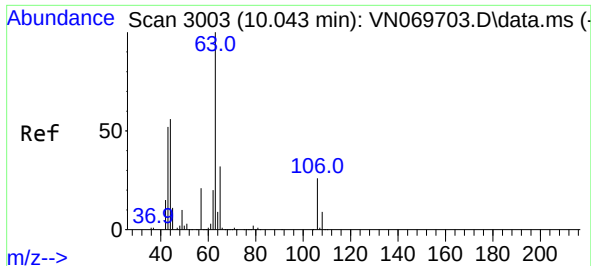
Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 0.0 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.286 ug/l
RT: 10.499 min Scan# 3173
Delta R.T. -0.263 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

Tgt Ion: 69 Resp: 218
Ion Ratio Lower Upper
69 100
41 1666.1 51.4 77.0#
39 1071.6 34.6 52.0#

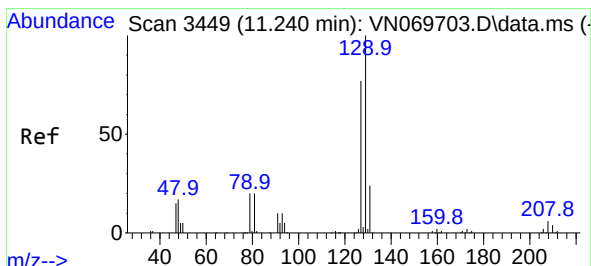
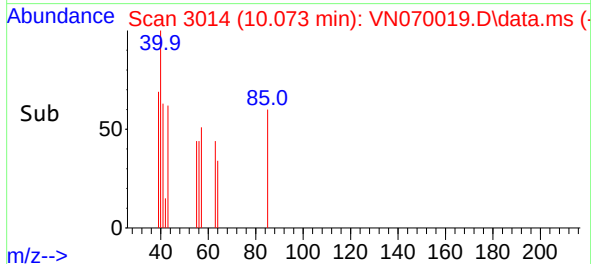
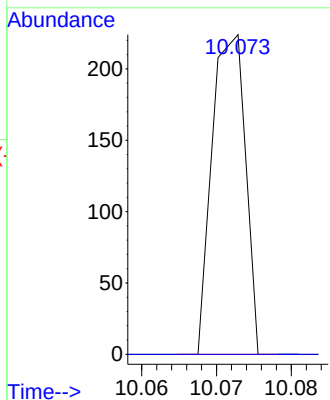
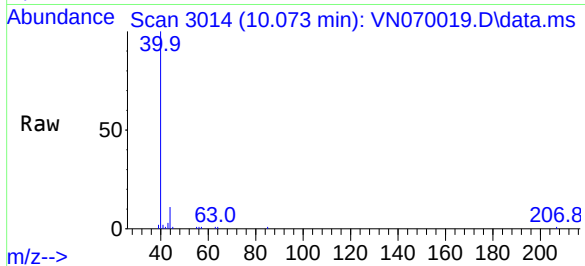




#58
2-Chloroethyl Vinyl ether
Concen: 18.397 ug/l
RT: 10.073 min Scan# 3003
Delta R.T. 0.030 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

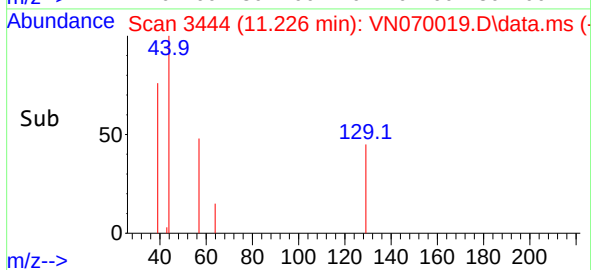
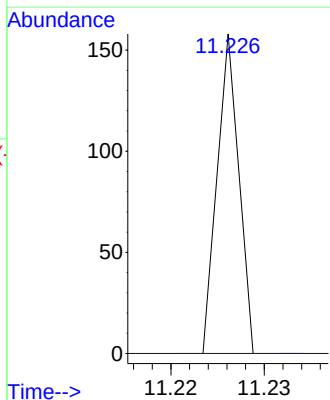
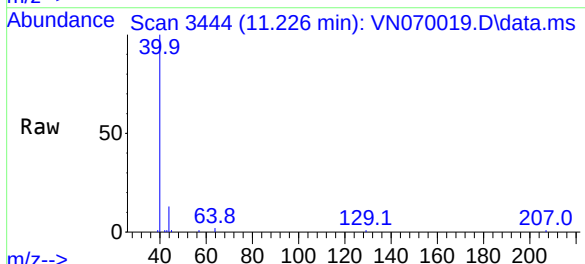
Instrument :
MSVOA_N
ClientSampleId :

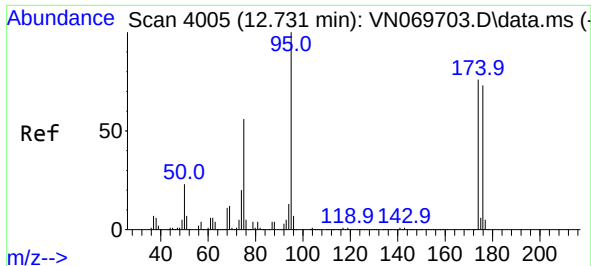
Tgt Ion: 63 Resp: 69
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.378 ug/l
RT: 11.226 min Scan# 3444
Delta R.T. -0.014 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

Tgt Ion: 129 Resp: 25
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

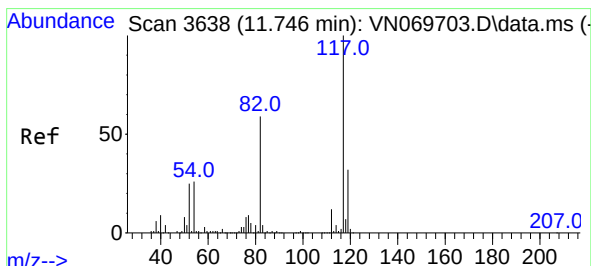
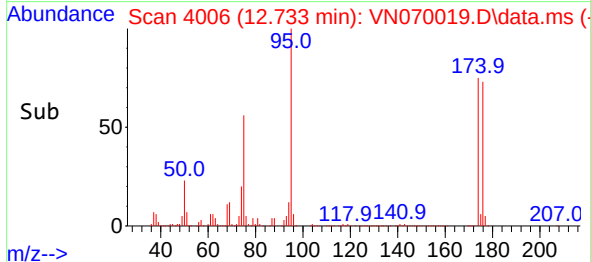
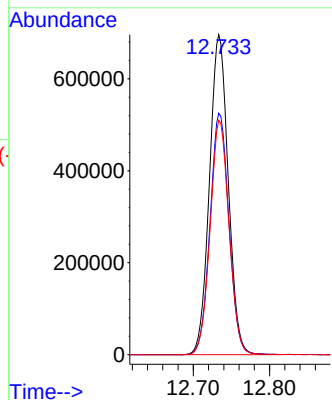
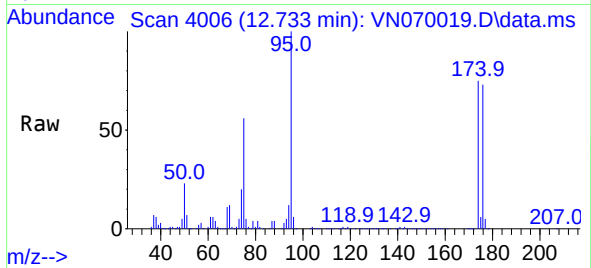




#62
4-Bromofluorobenzene
Concen: 58.720 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

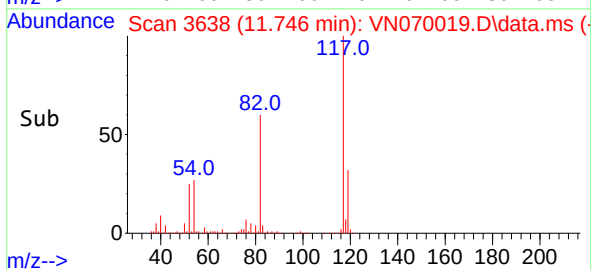
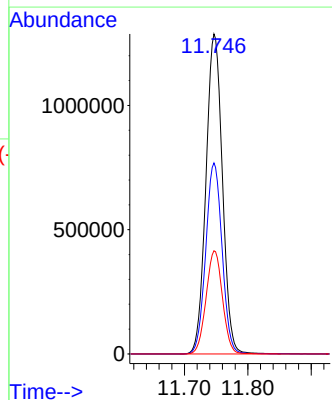
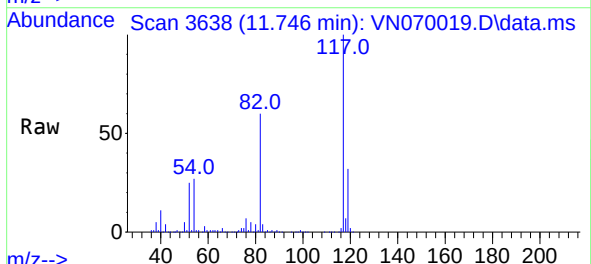
Instrument :
MSVOA_N
ClientSampleId :

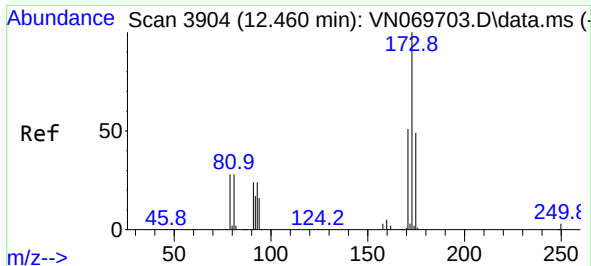
Tgt Ion: 95 Resp: 1187955
Ion Ratio Lower Upper
95 100
174 76.4 0.0 187.2
176 73.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

Tgt Ion: 117 Resp: 2320496
Ion Ratio Lower Upper
117 100
82 59.7 42.4 63.6
119 32.3 25.4 38.2

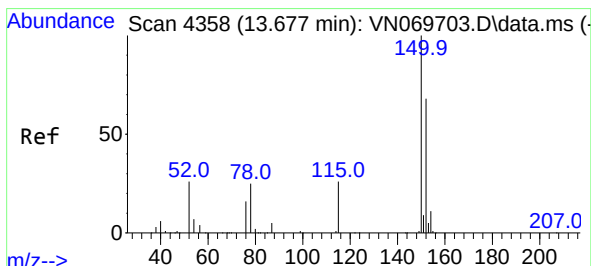
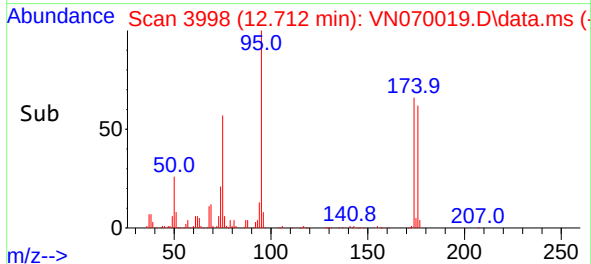
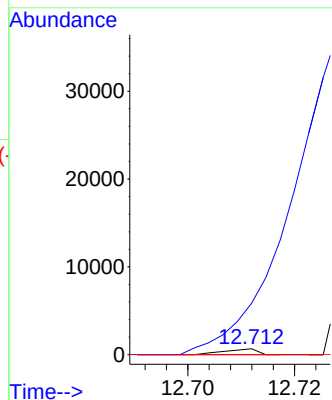
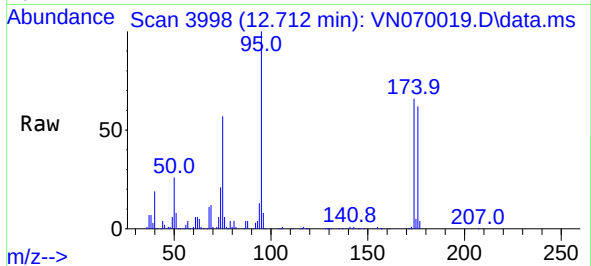




#71
Bromoform
Concen: 2.750 ug/l
RT: 12.712 min Scan# 3904
Delta R.T. 0.252 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

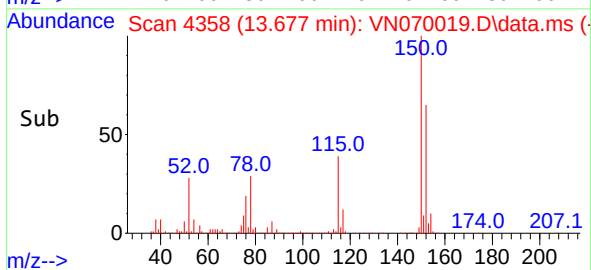
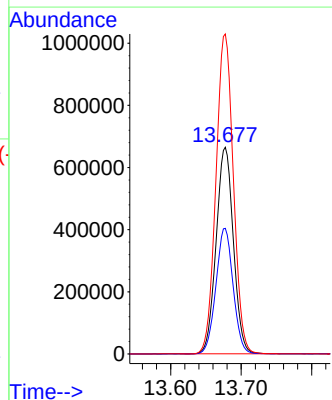
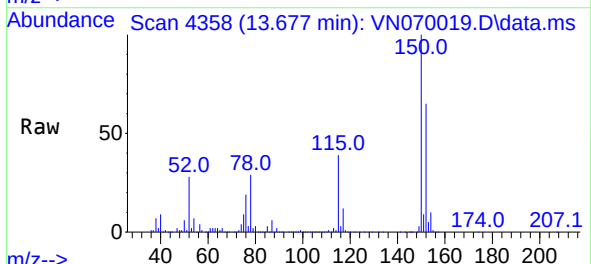
Instrument :
MSVOA_N
ClientSampleId :

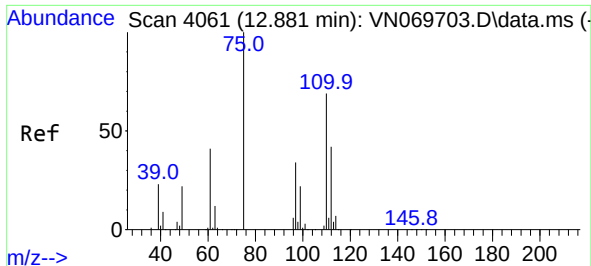
Tgt Ion:173 Resp: 282
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

Tgt Ion:152 Resp: 1131838
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 156.1 0.0 344.4

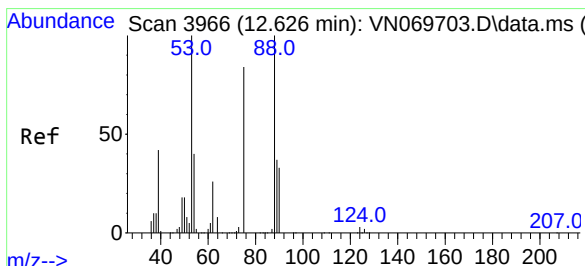
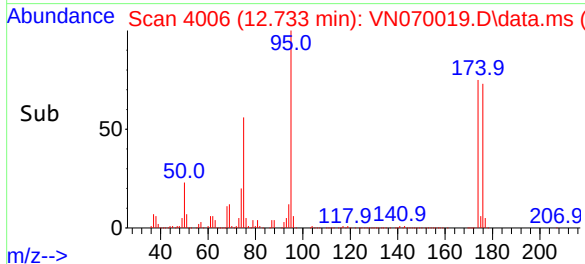
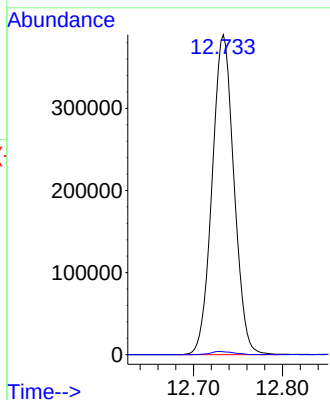
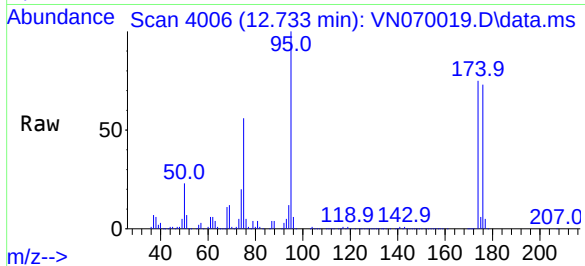




#76
1,2,3-Trichloropropane
Concen: 20.491 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

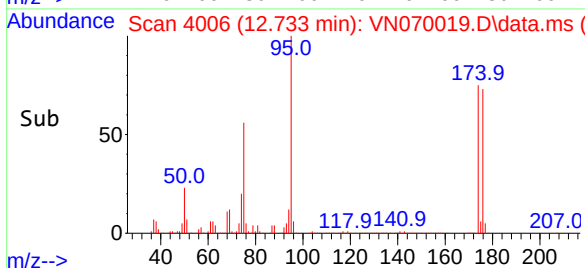
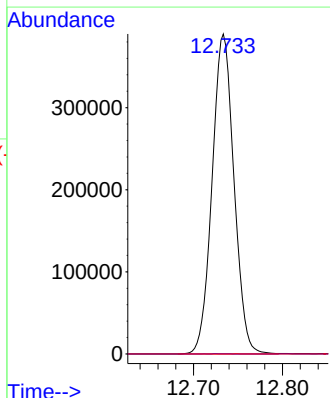
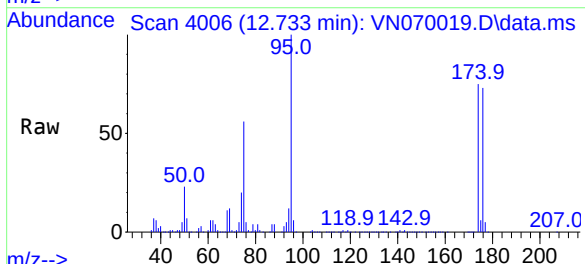
Instrument :
MSVOA_N
ClientSampleId :

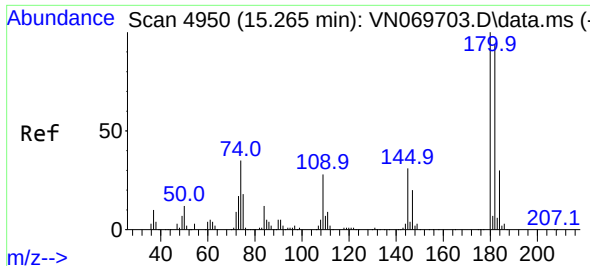
Tgt Ion: 75 Resp: 665105
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.678 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

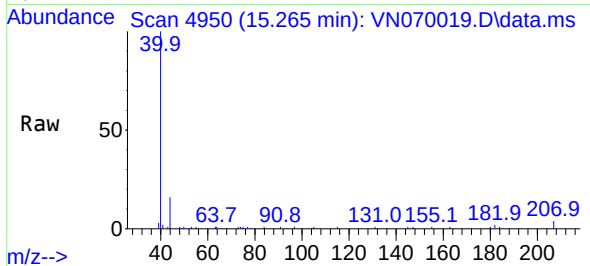
Tgt Ion: 75 Resp: 665105
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



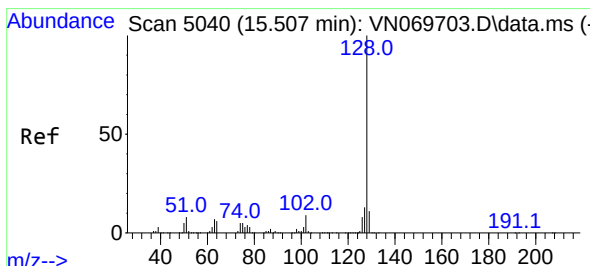
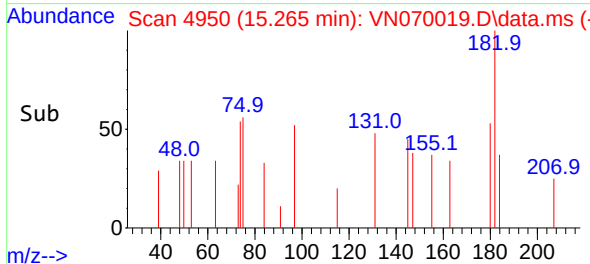
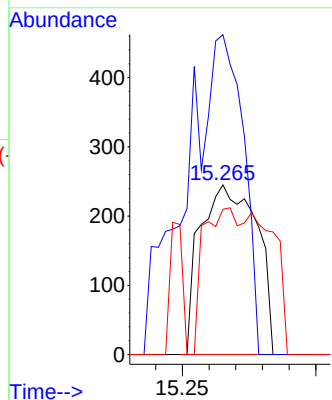


#93
1,2,4-Trichlorobenzene
Concen: 2.896 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

Instrument :
MSVOA_N
ClientSampleId :

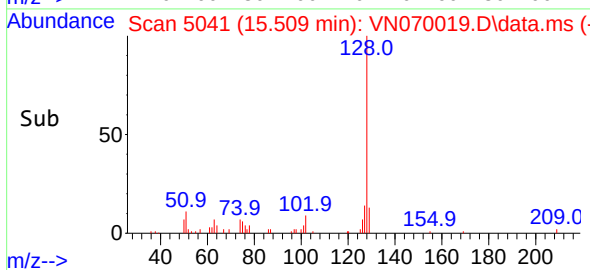
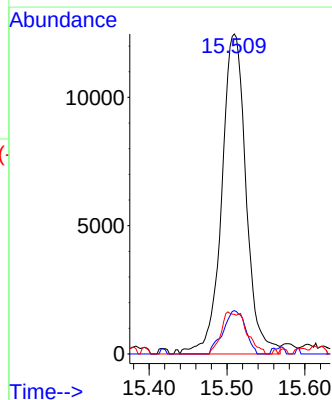
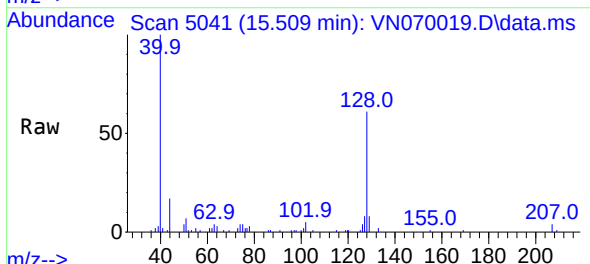


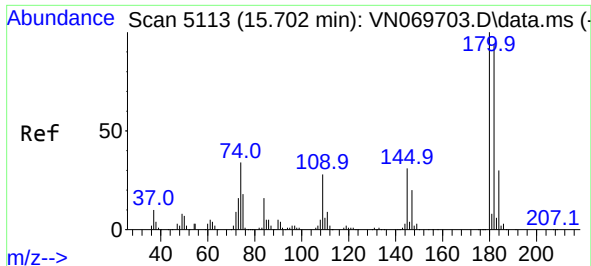
Tgt Ion:180 Resp: 361
Ion Ratio Lower Upper
180 100
182 193.1 48.3 144.9#
145 60.7 14.5 43.5#



#95
Naphthalene
Concen: 4.434 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN070019.D
Acq: 11 Dec 2021 19:53

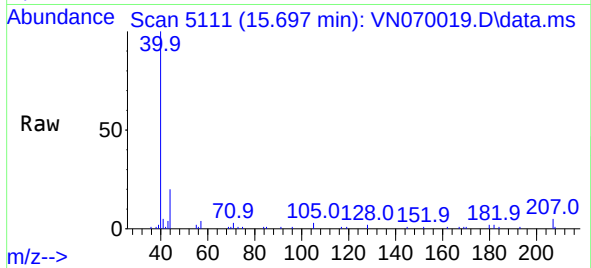
Tgt Ion:128 Resp: 26998
Ion Ratio Lower Upper
128 100
127 12.4 10.5 15.7
129 13.6 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.463 ug/l
 RT: 15.697 min Scan# 51
 Delta R.T. -0.005 min
 Lab File: VN070019.D
 Acq: 11 Dec 2021 19:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	531
Ion	Ratio	Lower	Upper
180	100		
182	75.3	47.4	142.2
145	42.9	15.0	45.1

